

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/001,848

DATE: 12/11/2001
TIME: 11:54:19

Input Set : A:\3081-A.txt
Output Set: N:\CRF3\12112001\I001848.raw

ENTERED

3 <110> APPLICANT: Chipman, Stewart D.
4 Schooley, Kenneth A.
5 Born, Teresa L.
6 DuBose, Robert F.
8 <120> TITLE OF INVENTION: METHODS OF USING IMXP-888 AND IMXP-888 ANTAGONISTS
10 <130> FILE REFERENCE: 3081-A
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/001,848
13 <141> CURRENT FILING DATE: 2001-11-20
15 <150> PRIOR APPLICATION NUMBER: US 60/252,785
16 <151> PRIOR FILING DATE: 2000-11-22
18 <160> NUMBER OF SEQ ID NOS: 3
20 <170> SOFTWARE: PatentIn version 3.1
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 529
24 <212> TYPE: PRT
25 <213> ORGANISM: Mus musculus
27 <400> SEQUENCE: 1
29 Met Thr Arg Ser Pro Ala Leu Leu Leu Leu Leu Gly Ala Leu Pro
30 1 5 10 15
33 Ser Ala Glu Ala Ala Arg Gly Pro Pro Arg Met Ala Asp Lys Val Val
34 20 25 30
37 Pro Arg Gln Val Ala Arg Leu Gly Arg Thr Val Arg Leu Gln Cys Pro
38 35 40 45
41 Val Glu Gly Asp Pro Pro Pro Leu Thr Met Trp Thr Lys Asp Gly Arg
42 50 55 60
45 Thr Ile His Ser Gly Trp Ser Arg Phe Arg Val Leu Pro Gln Gly Leu
46 65 70 75 80
49 Lys Val Lys Glu Val Ala Glu Asp Ala Gly Val Tyr Val Cys Lys
50 85 90 95
53 Ala Thr Asn Gly Phe Gly Ser Leu Ser Val Asn Tyr Thr Leu Ile Ile
54 100 105 110
57 Met Asp Asp Ile Ser Pro Gly Lys Glu Ser Pro Gly Pro Gly Gly Ser
58 115 120 125
61 Ser Gly Gly Gln Glu Asp Pro Ala Ser Gln Gln Trp Ala Arg Pro Arg
62 130 135 140
65 Phe Thr Gln Pro Ser Lys Met Arg Arg Arg Val Ile Ala Arg Pro Val
66 145 150 155 160
69 Gly Ser Ser Val Arg Leu Lys Cys Val Ala Ser Gly His Pro Arg Pro
70 165 170 175
73 Asp Ile Met Trp Met Lys Asp Asp Gln Thr Leu Thr His Leu Glu Ala
74 180 185 190
77 Ser Glu His Arg Lys Lys Trp Thr Leu Ser Leu Lys Asn Leu Lys
78 195 200 205
81 Pro Glu Asp Ser Gly Lys Tyr Thr Cys Arg Val Ser Asn Lys Ala Gly
82 210 215 220
85 Ala Ile Asn Ala Thr Tyr Lys Val Asp Val Ile Gln Arg Thr Arg Ser
86 225 230 235 240

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89 Lys Pro Val Leu Thr Gly Thr His Pro Val Asn Thr Thr Val Asp Phe
 90 245 250 255
 93 Gly Gly Thr Thr Ser Phe Gln Cys Lys Val Arg Ser Asp Val Lys Pro
 94 260 265 270
 97 Val Ile Gln Trp Leu Lys Arg Val Glu Tyr Gly Ser Glu Gly Arg His
 98 275 280 285
 101 Asn Ser Thr Ile Asp Val Gly Gly Gln Lys Phe Val Val Leu Pro Thr
 102 290 295 300
 105 Gly Asp Val Trp Ser Arg Pro Asp Gly Ser Tyr Leu Asn Lys Leu Leu
 106 305 310 315 320
 109 Ile Ser Arg Ala Arg Gln Asp Asp Ala Gly Met Tyr Ile Cys Leu Gly
 110 325 330 335
 113 Ala Asn Thr Met Gly Tyr Ser Phe Arg Ser Ala Phe Leu Thr Val Leu
 114 340 345 350
 117 Pro Asp Pro Lys Pro Pro Gly Pro Pro Met Ala Ser Ser Ser Ser
 118 355 360 365
 121 Thr Ser Leu Pro Trp Pro Val Val Ile Gly Ile Pro Ala Gly Ala Val
 122 370 375 380
 125 Phe Ile Leu Gly Thr Val Leu Leu Trp Leu Cys Gln Thr Lys Lys Lys
 126 385 390 395 400
 129 Pro Cys Ala Pro Ala Ser Thr Leu Pro Val Pro Gly His Arg Pro Pro
 130 405 410 415
 133 Gly Thr Ser Arg Glu Arg Ser Gly Asp Lys Asp Leu Pro Ser Leu Ala
 134 420 425 430
 137 Val Gly Ile Cys Glu Glu His Gly Ser Ala Met Ala Pro Gln His Ile
 138 435 440 445
 141 Leu Ala Ser Gly Ser Thr Ala Gly Pro Lys Leu Tyr Pro Lys Leu Tyr
 142 450 455 460
 145 Thr Asp Val His Thr His Thr His Thr His Thr Cys Thr His Thr Leu
 146 465 470 475 480
 149 Ser Cys Gly Gly Gln Gly Ser Ser Thr Pro Ala Cys Pro Leu Ser Val
 150 485 490 495
 153 Leu Asn Thr Ala Asn Leu Gln Ala Leu Cys Pro Glu Val Gly Ile Trp
 154 500 505 510
 157 Gly Pro Arg Gln Gln Val Gly Arg Ile Glu Asn Asn Gly Gly Arg Val
 158 515 520 525
 161 Ser
 165 <210> SEQ ID NO: 2
 166 <211> LENGTH: 438
 167 <212> TYPE: PRT
 168 <213> ORGANISM: Mus musculus
 170 <400> SEQUENCE: 2
 172 Met Thr Arg Ser Pro Ala Leu Leu Leu Leu Leu Gly Ala Leu Pro
 173 1 5 10 15
 176 Ser Ala Glu Ala Ala Arg Asp Asp Ile Ser Pro Gly Lys Glu Ser Pro
 177 20 25 30
 180 Gly Pro Gly Gly Ser Ser Gly Gly Gln Glu Asp Pro Ala Ser Gln Gln
 181 35 40 45
 184 Trp Ala Arg Pro Arg Phe Thr Gln Pro Ser Lys Met Arg Arg Arg Val

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185	50	55	60	
188	Ile Ala Arg Pro Val Gly Ser Ser Val Arg Leu Lys Cys Val Ala Ser			
189	65	70	75	80
192	Gly His Pro Arg Pro Asp Ile Met Trp Met Lys Asp Asp Gln Thr Leu			
193	85	90	95	
196	Thr His Leu Glu Ala Ser Glu His Arg Lys Lys Lys Trp Thr Leu Ser			
197	100	105	110	
200	Leu Lys Asn Leu Lys Pro Glu Asp Ser Gly Lys Tyr Thr Cys Arg Val			
201	115	120	125	
204	Ser Asn Lys Ala Gly Ala Ile Asn Ala Thr Tyr Lys Val Asp Val Ile			
205	130	135	140	
208	Gln Arg Thr Arg Ser Lys Pro Val Leu Thr Gly Thr His Pro Val Asn			
209	145	150	155	160
212	Thr Thr Val Asp Phe Gly Gly Thr Thr Ser Phe Gln Cys Lys Val Arg			
213	165	170	175	
216	Ser Asp Val Lys Pro Val Ile Gln Trp Leu Lys Arg Val Glu Tyr Gly			
217	180	185	190	
220	Ser Glu Gly Arg His Asn Ser Thr Ile Asp Val Gly Gly Gln Lys Phe			
221	195	200	205	
224	Val Val Leu Pro Thr Gly Asp Val Trp Ser Arg Pro Asp Gly Ser Tyr			
225	210	215	220	
228	Leu Asn Lys Leu Leu Ile Ser Arg Ala Arg Gln Asp Asp Ala Gly Met			
229	225	230	235	240
232	Tyr Ile Cys Leu Gly Ala Asn Thr Met Gly Tyr Ser Phe Arg Ser Ala			
233	245	250	255	
236	Phe Leu Thr Val Leu Pro Asp Pro Lys Pro Pro Gly Pro Pro Met Ala			
237	260	265	270	
240	Ser Ser Ser Ser Thr Ser Leu Pro Trp Pro Val Val Ile Gly Ile			
241	275	280	285	
244	Pro Ala Gly Ala Val Phe Ile Leu Gly Thr Val Leu Leu Trp Leu Cys			
245	290	295	300	
248	Gln Thr Lys Lys Pro Cys Ala Pro Ala Ser Thr Leu Pro Val Pro			
249	305	310	315	320
252	Gly His Arg Pro Pro Gly Thr Ser Arg Glu Arg Ser Gly Asp Lys Asp			
253	325	330	335	
256	Leu Pro Ser Leu Ala Val Gly Ile Cys Glu Glu His Gly Ser Ala Met			
257	340	345	350	
260	Ala Pro Gln His Ile Leu Ala Ser Gly Ser Thr Ala Gly Pro Lys Leu			
261	355	360	365	
264	Tyr Pro Lys Leu Tyr Thr Asp Val His Thr His Thr His Thr His Thr			
265	370	375	380	
268	Cys Thr His Thr Leu Ser Cys Gly Gly Gln Gly Ser Ser Thr Pro Ala			
269	385	390	395	400
272	Cys Pro Leu Ser Val Leu Asn Thr Ala Asn Leu Gln Ala Leu Cys Pro			
273	405	410	415	
276	Glu Val Gly Ile Trp Gly Pro Arg Gln Gln Val Gly Arg Ile Glu Asn			
277	420	425	430	
280	Asn Gly Gly Arg Val Ser			
281	435			

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284 <210> SEQ ID NO: 3
 285 <211> LENGTH: 504
 286 <212> TYPE: PRT
 287 <213> ORGANISM: Homo sapiens
 289 <400> SEQUENCE: 3
 291 Met Thr Pro Ser Pro Leu Leu Leu Leu Pro Pro Leu Leu Leu
 292 1 5 10 15
 293 Gly Ala Phe Pro Pro Ala Ala Ala Arg Gly Pro Pro Lys Met Ala
 294 20 25 30
 295 Asp Lys Val Val Pro Arg Gln Val Ala Arg Leu Gly Arg Thr Val Arg
 300 35 40 45
 301 Leu Gln Cys Pro Val Glu Gly Asp Pro Pro Pro Leu Thr Met Trp Thr
 304 50 55 60
 307 Lys Asp Gly Arg Thr Ile His Ser Gly Trp Ser Arg Phe Arg Val Leu
 308 65 70 75 80
 311 Pro Gln Gly Leu Lys Val Lys Gln Val Glu Arg Glu Asp Ala Gly Val
 312 85 90 95
 315 Tyr Val Cys Lys Ala Thr Asn Gly Phe Gly Ser Leu Ser Val Asn Tyr
 316 100 105 110
 319 Thr Leu Val Val Leu Asp Asp Ile Ser Pro Gly Lys Glu Ser Leu Gly
 320 115 120 125
 323 Pro Asp Ser Ser Gly Gly Gln Glu Asp Pro Ala Ser Gln Gln Trp
 324 130 135 140
 327 Ala Arg Pro Arg Phe Thr Gln Pro Ser Lys Met Arg Arg Arg Val Ile
 328 145 150 155 160
 331 Ala Arg Pro Val Gly Ser Ser Val Arg Leu Lys Cys Val Ala Ser Gly
 332 165 170 175
 335 His Pro Arg Pro Asp Ile Thr Trp Met Lys Asp Asp Gln Ala Leu Thr
 336 180 185 190
 339 Arg Pro Glu Ala Ala Glu Pro Arg Lys Lys Lys Trp Thr Leu Ser Leu
 340 195 200 205
 343 Lys Asn Leu Arg Pro Glu Asp Ser Gly Lys Tyr Thr Cys Arg Val Ser
 344 210 215 220
 347 Asn Arg Ala Gly Ala Ile Asn Ala Thr Tyr Lys Val Asp Val Ile Gln
 348 225 230 235 240
 351 Arg Thr Arg Ser Lys Pro Val Leu Thr Gly Thr His Pro Val Asn Thr
 352 245 250 255
 355 Thr Val Asp Phe Gly Gly Thr Thr Ser Phe Gln Cys Lys Val Arg Ser
 356 260 265 270
 359 Asp Val Lys Pro Val Ile Gln Trp Leu Lys Arg Val Glu Tyr Gly Ala
 360 275 280 285
 363 Glu Gly Arg His Asn Ser Thr Ile Asp Val Gly Gly Gln Lys Phe Val
 364 290 295 300
 367 Val Leu Pro Thr Gly Asp Val Trp Ser Arg Pro Asp Gly Ser Tyr Leu
 368 305 310 315 320
 371 Asn Lys Leu Leu Ile Thr Arg Ala Arg Gln Asp Asp Ala Gly Met Tyr
 372 325 330 335
 375 Ile Cys Leu Gly Ala Asn Thr Met Gly Tyr Ser Phe Arg Ser Ala Phe
 376 340 345 350

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379 Leu Thr Val Leu Pro Asp Pro Lys Pro Pro Gly Pro Pro Val Ala Ser
380 355 360 365
383 Ser Ser Ser Ala Thr Ser Leu Pro Trp Pro Val Val Ile Gly Ile Pro
384 370 375 380
387 Ala Gly Ala Val Phe Ile Leu Gly Thr Leu Leu Leu Trp Leu Cys Gln
388 385 390 395 400
391 Ala Gln Lys Lys Pro Cys Thr Pro Ala Pro Ala Pro Pro Leu Pro Gly
392 405 410 415
395 His Arg Pro Pro Gly Thr Ala Arg Asp Arg Ser Gly Asp Lys Asp Leu
396 420 425 430
399 Pro Ser Leu Ala Ala Leu Ser Ala Gly Pro Gly Val Gly Leu Cys Glu
400 435 440 445
403 Glu His Gly Ser Pro Ala Ala Pro Gln His Leu Leu Gly Pro Gly Pro
404 450 455 460
407 Val Ala Gly Pro Lys Leu Tyr Pro Lys Leu Tyr Thr Asp Ile His Thr
408 465 470 475 480
411 His Thr His Thr His Ser His Thr His Ser His Val Glu Gly Lys Val
412 485 490 495
415 His Gln His Ile His Tyr Gln Cys
416 500

VERIFICATION SUMMARY

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L:12 M:270 C: Current Application Number differs, Replaced Current Application Number